



# Urban Green Energy

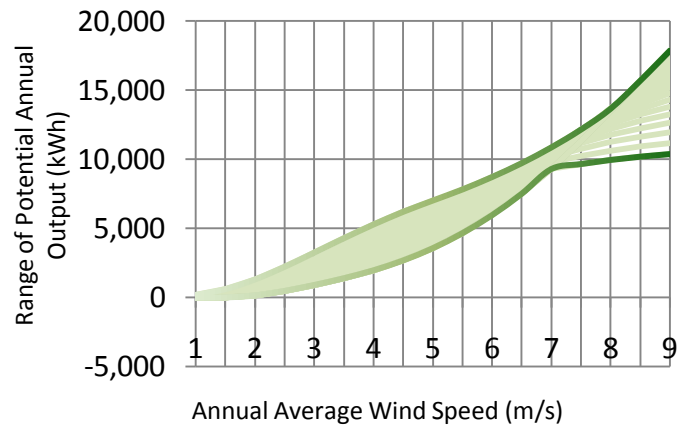
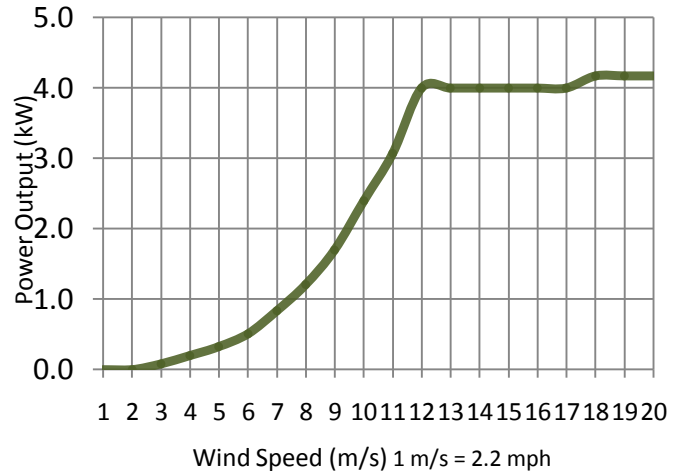
## 4kW Wind Turbine Specifications

### Physical Information

Axis	Vertical
Height	4.40 meters
Width	3.00 meters
Weight	444 kg
Swept Area	8.8 m <sup>2</sup>
Blade Materials	Carbon Fiber & Fiberglass

### Performance

Rated Power	4000 W
Cut-in Wind Speed	3.5 m/s
Cut-out Wind Speed	30 m/s
Rated RPM	125 RPM
Survival Wind Speed	55 m/s
Rated Wind Speed	12 m/s
Annual Energy at 5 m/s	4560 kWh
Noise within 3 meters	
at <7 m/s	39 dB
at 7-10 m/s	45 dB
at >10 m/s	50 dB



### Certifications

CE Certified	European Conformity
IEC-61400-2	Wind Turbine Safety
IEC-61400-11	Noise Level Certification
IEC-61400-12	Power Performance Certification
ISO-2631	Vibration Level Certification

### Electric Generation

Generator Type	Three-Phase Permanent Magnet
Rated Output	
Off-Grid	48 Vdc
Grid-Tie	600 Vdc
Inverters and Controllers	Available for all locations and regulations